

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020962.D
 Acq On : 29 Jan 2025 11:48
 Operator : SY/MD
 Sample : Q1205-01RE
 Misc : 4.59g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 30 00:34:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

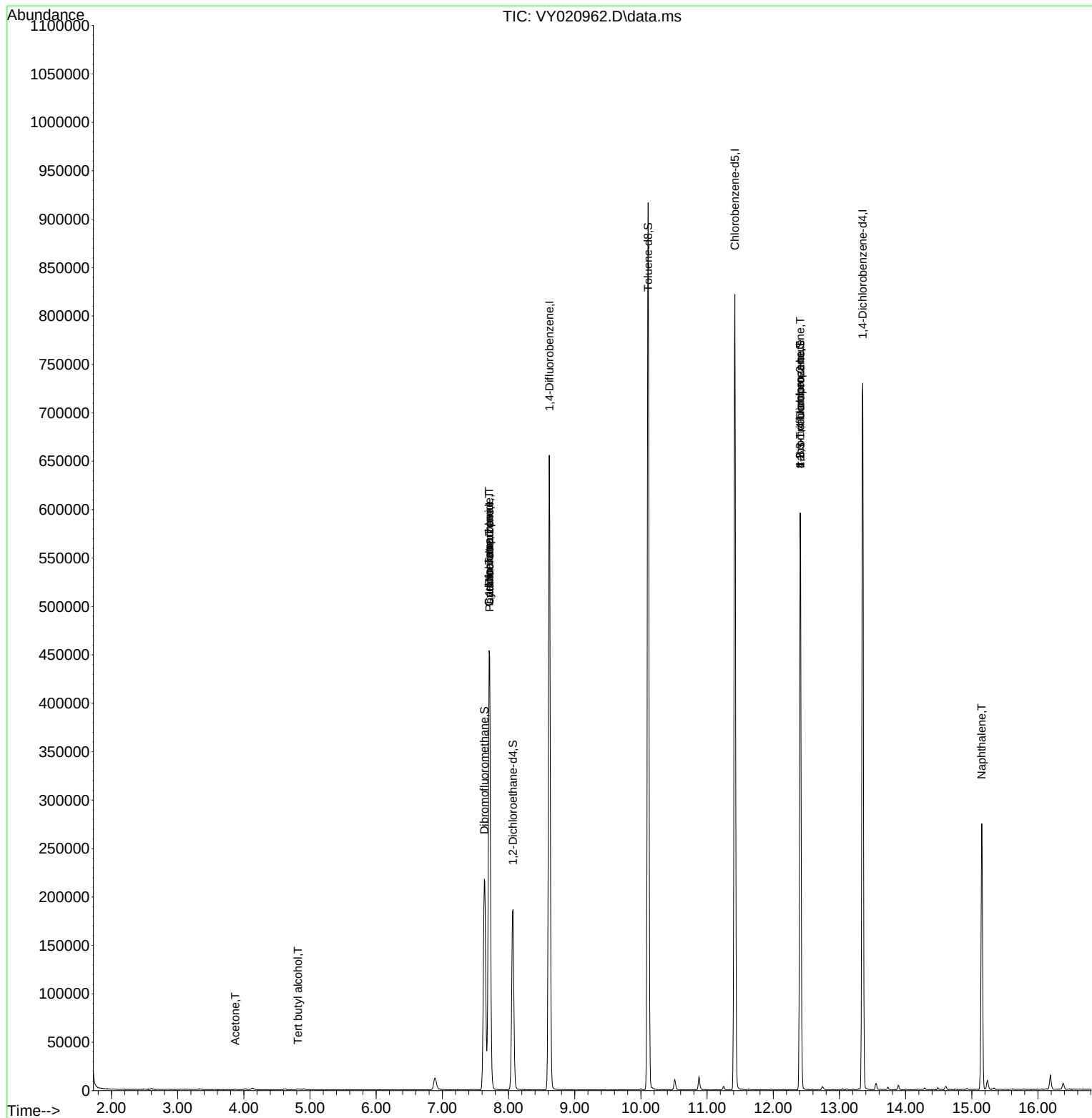
Internal Standards						
1) Pentafluorobenzene	7.713	168	372623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	571823	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	457613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	198870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	145874	49.100	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.200%
35) Dibromofluoromethane	7.634	113	161809	49.291	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.580%
50) Toluene-d8	10.109	98	608406	47.781	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.408	95	182785	43.133	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	86.260%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.817	59	1507	6.571	ug/l #	74
16) Acetone	3.872	43	773	1.920	ug/l #	75
31) Cyclohexane	7.707	56	6483	1.225	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	25118	5.480	ug/l #	50
38) Carbon Tetrachloride	7.707	117	35757	6.469	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	92740	65.956	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	92740	127.427	ug/l #	15
95) Naphthalene	15.151	128	225687	43.922	ug/l	100

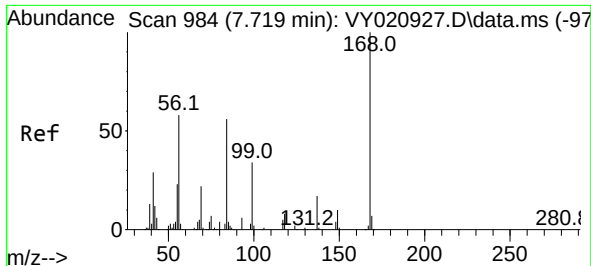
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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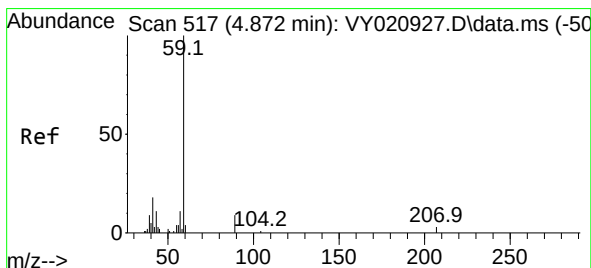
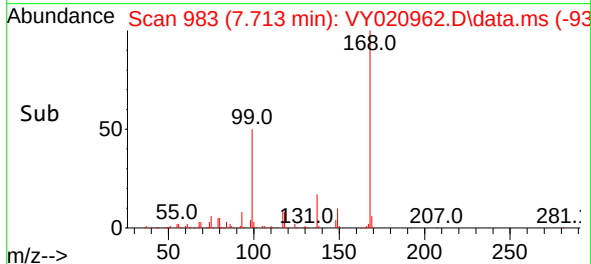
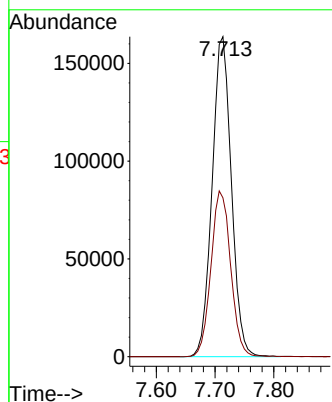
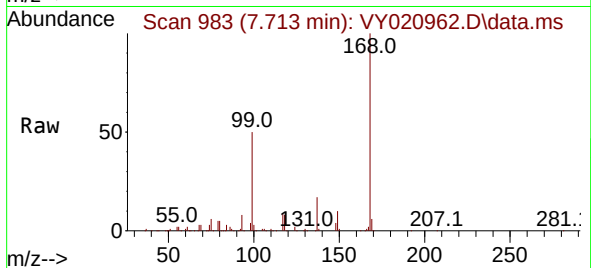




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48

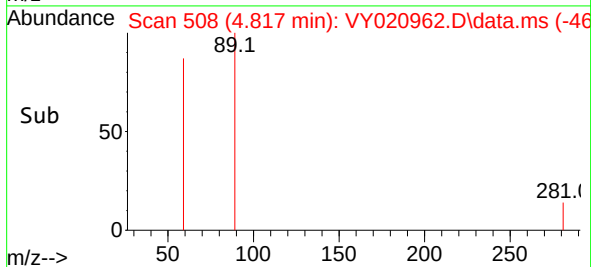
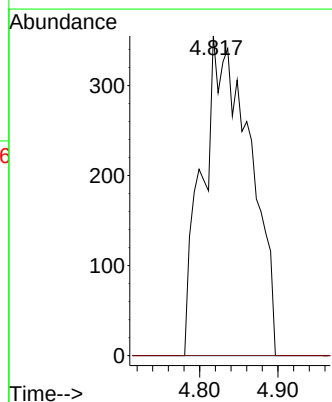
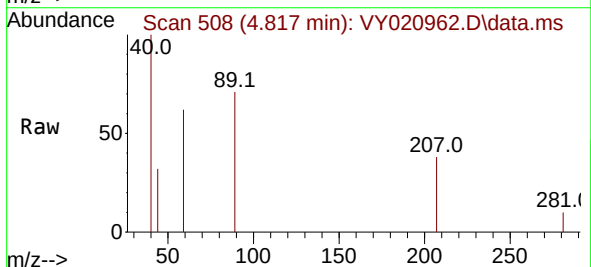
Instrument :
MSVOA_Y
ClientSampleId :

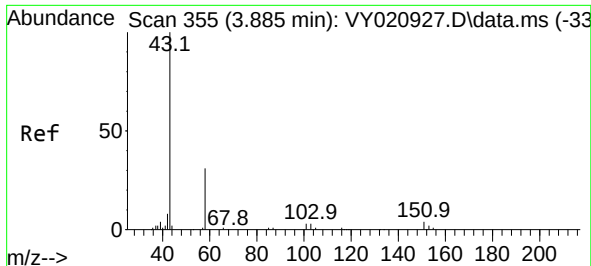
Tgt Ion:168 Resp: 372623
Ion Ratio Lower Upper
168 100
99 49.7 43.0 64.6



#11
Tert butyl alcohol
Concen: 6.571 ug/l
RT: 4.817 min Scan# 508
Delta R.T. -0.055 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48

Tgt Ion: 59 Resp: 1507
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.920 ug/l

RT: 3.872 min Scan# 31

Delta R.T. -0.012 min

Lab File: VY020962.D

Acq: 29 Jan 2025 11:48

Instrument :

MSVOA_Y

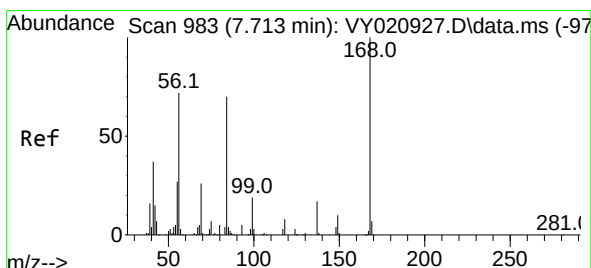
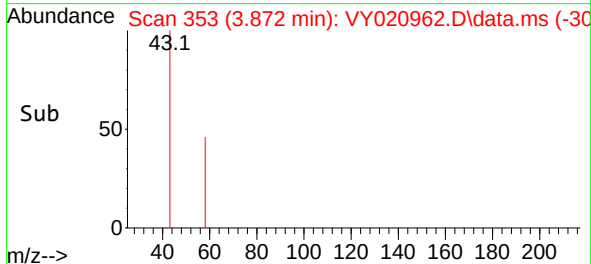
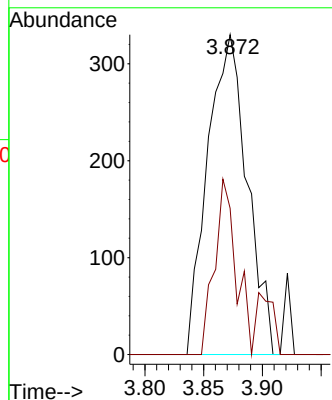
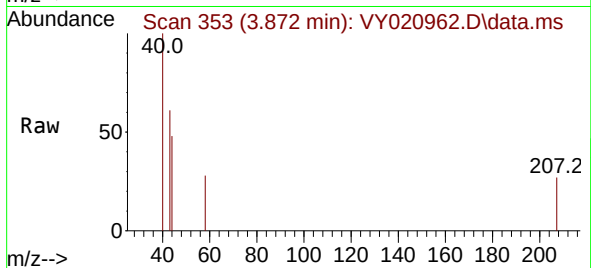
ClientSampleId :

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

43 100

58 45.8 25.6 38.4#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.006 min

Lab File: VY020962.D

Acq: 29 Jan 2025 11:48

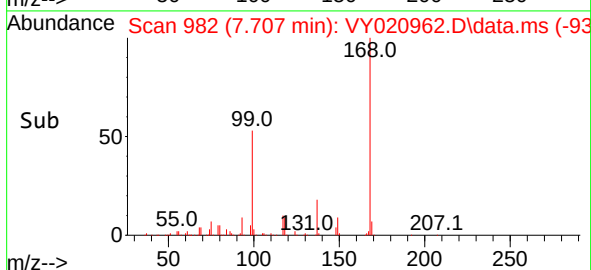
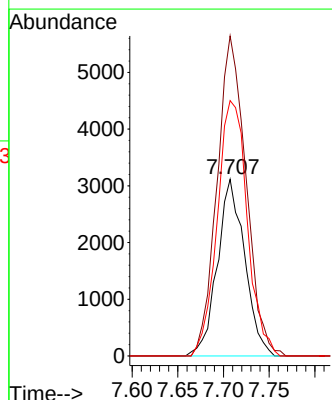
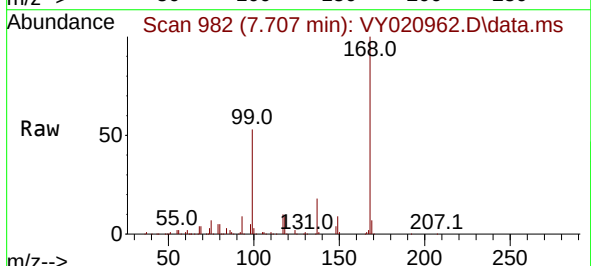
Tgt Ion: 56 Resp: 6483

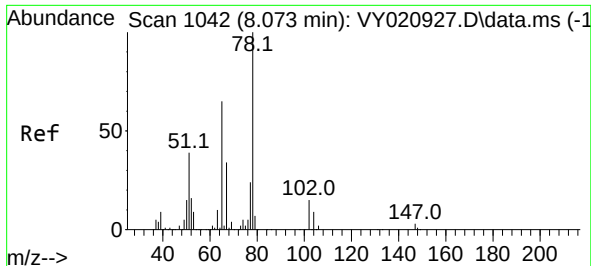
Ion Ratio Lower Upper

56 100

69 181.1 28.7 43.1#

84 144.5 77.4 116.0#





#33

1,2-Dichloroethane-d4

Concen: 49.100 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020962.D

Acq: 29 Jan 2025 11:48

Instrument :

MSVOA_Y

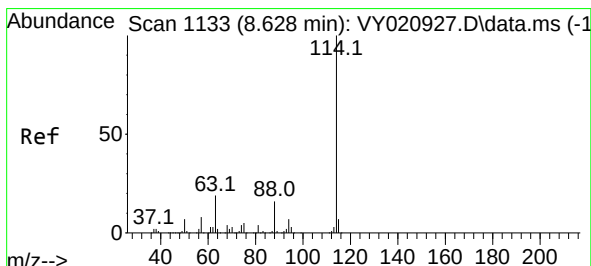
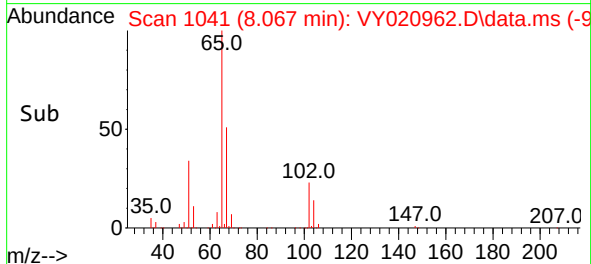
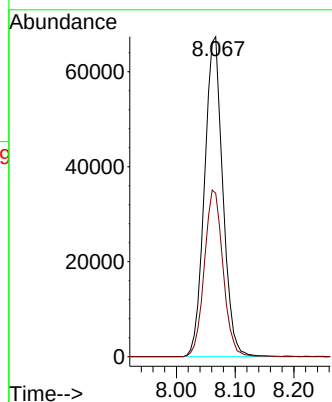
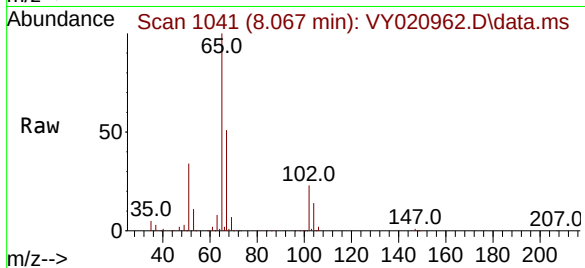
ClientSampleId :

Tgt Ion: 65 Resp: 145874

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020962.D

Acq: 29 Jan 2025 11:48

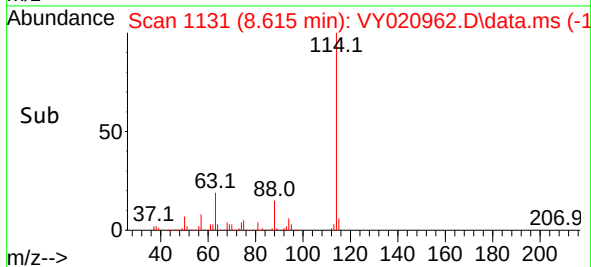
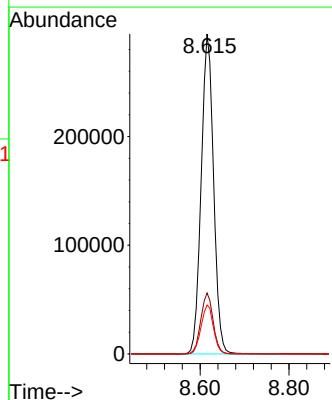
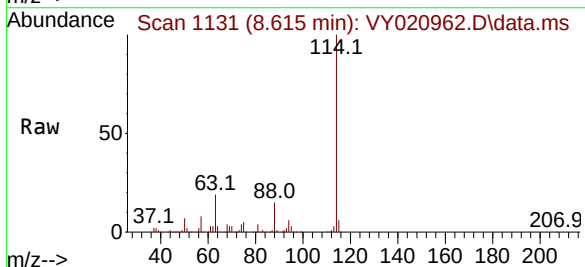
Tgt Ion: 114 Resp: 571823

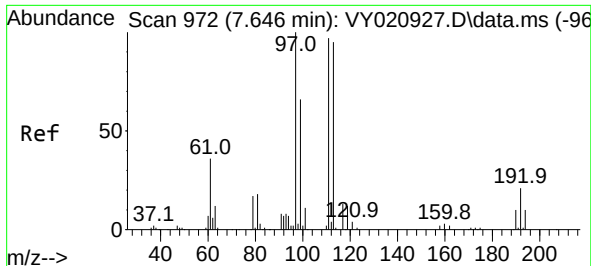
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

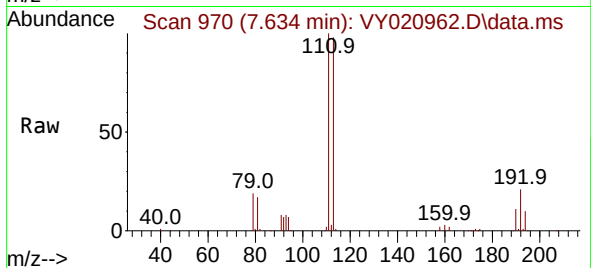
88 15.3 0.0 31.6



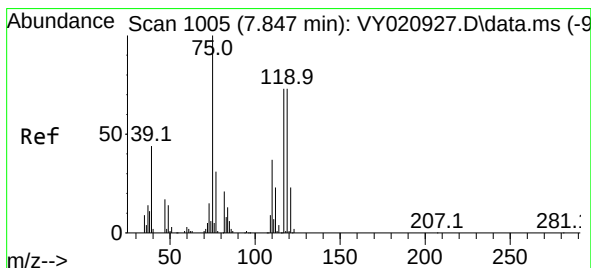
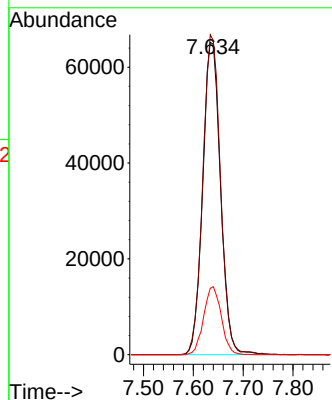
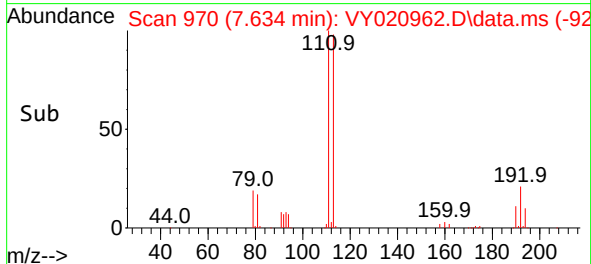


#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48

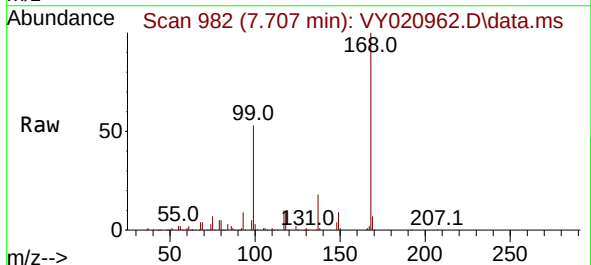
Instrument :
MSVOA_Y
ClientSampleId :



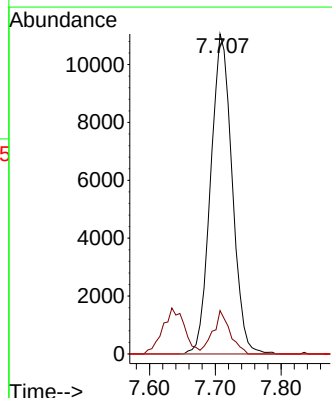
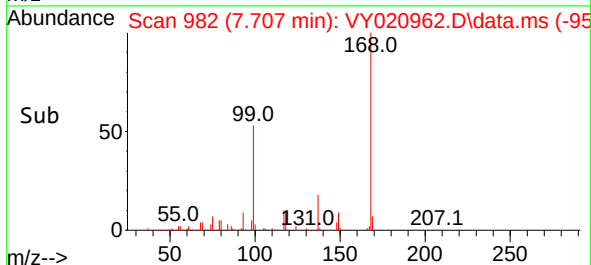
Tgt Ion:113 Resp: 161809
Ion Ratio Lower Upper
113 100
111 102.1 82.3 123.5
192 21.6 17.4 26.2

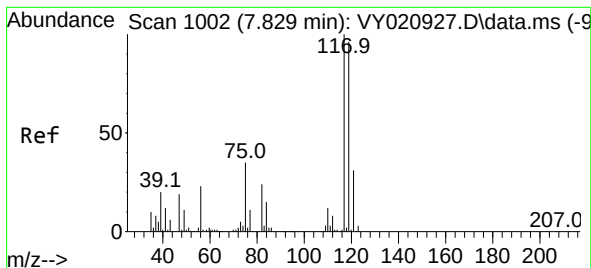


#36
1,1-Dichloropropene
Concen: 5.480 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.140 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48



Tgt Ion: 75 Resp: 25118
Ion Ratio Lower Upper
75 100
110 10.7 18.5 55.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.469 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY020962.D

Acq: 29 Jan 2025 11:48

Instrument :

MSVOA_Y

ClientSampleId :

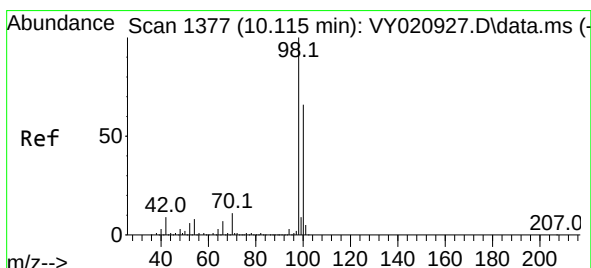
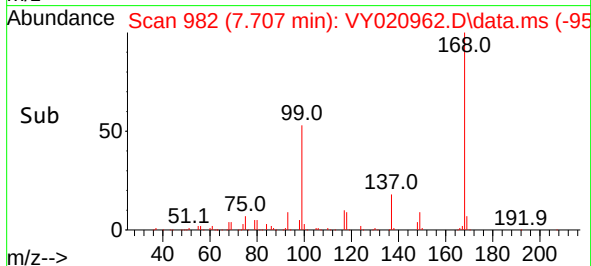
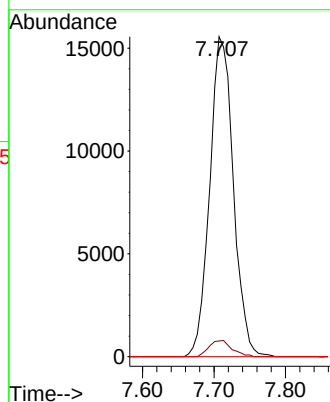
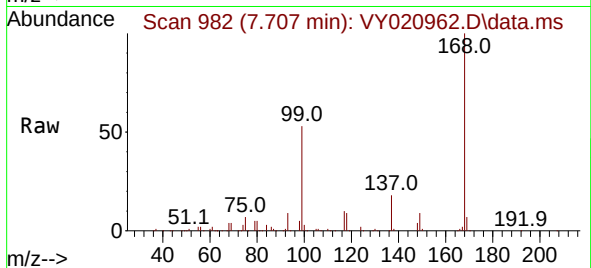
Tgt Ion:117 Resp: 35757

Ion Ratio Lower Upper

117 100

119 4.9 76.5 114.7#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 47.781 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020962.D

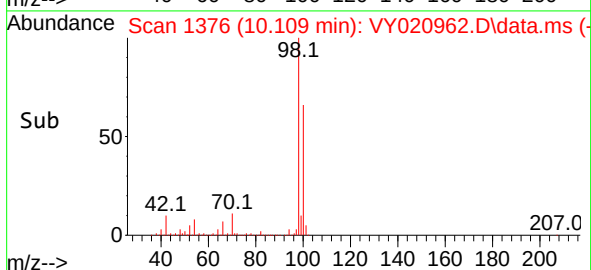
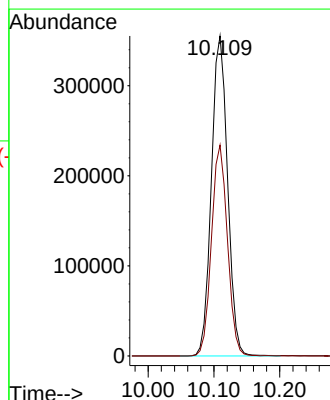
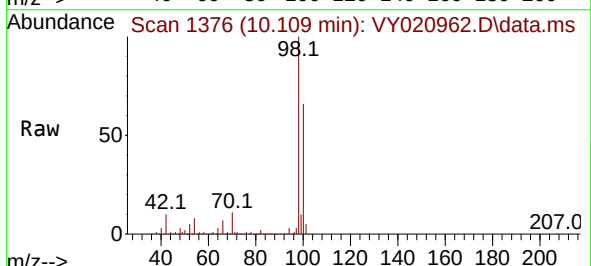
Acq: 29 Jan 2025 11:48

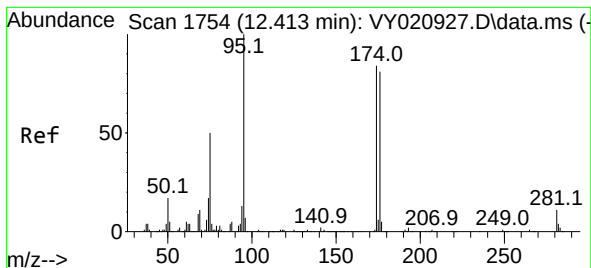
Tgt Ion: 98 Resp: 608406

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5

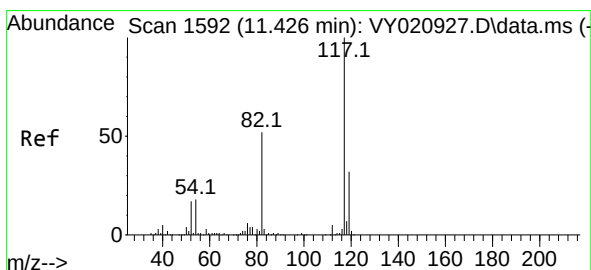
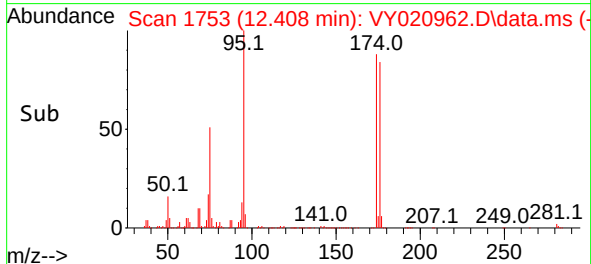
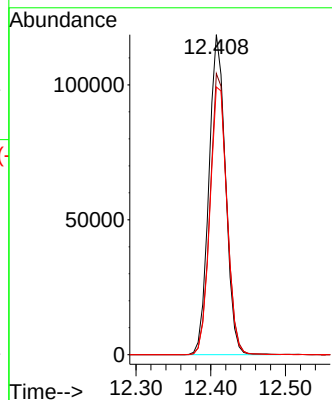
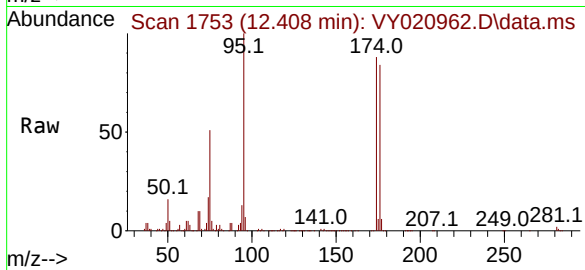




#62
4-Bromofluorobenzene
Concen: 43.133 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48

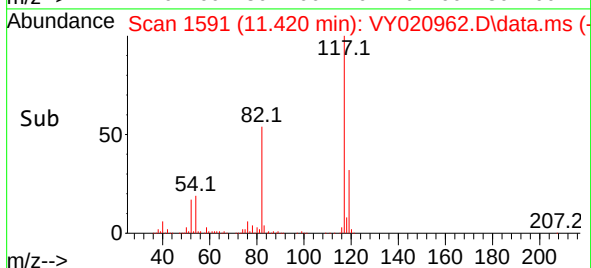
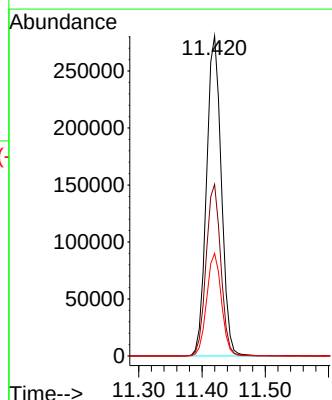
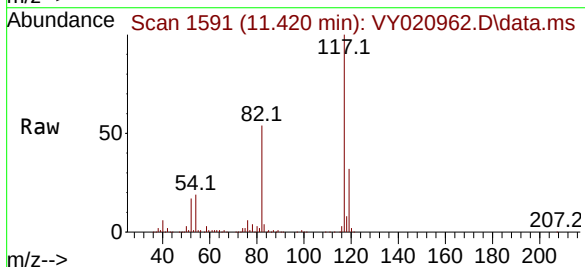
Instrument :
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ClientSampleId :

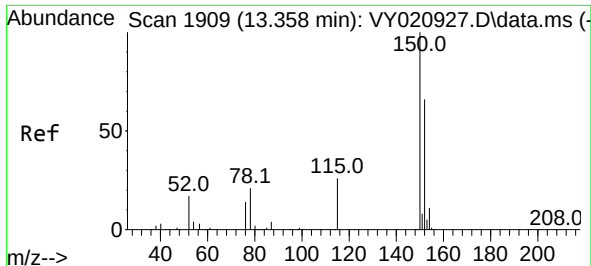
Tgt Ion: 95 Resp: 182785
Ion Ratio Lower Upper
95 100
174 89.0 0.0 177.4
176 86.2 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48

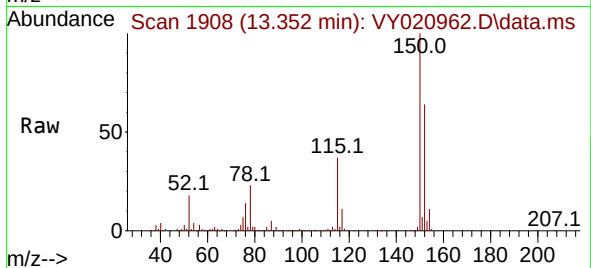
Tgt Ion: 117 Resp: 457613
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.8
119 32.0 26.0 39.0



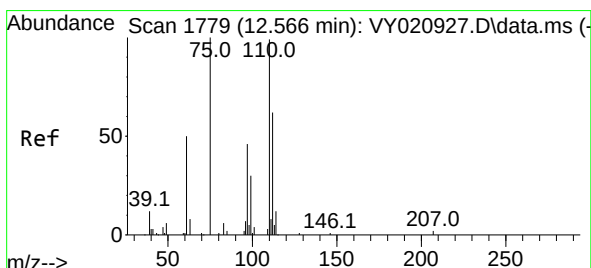
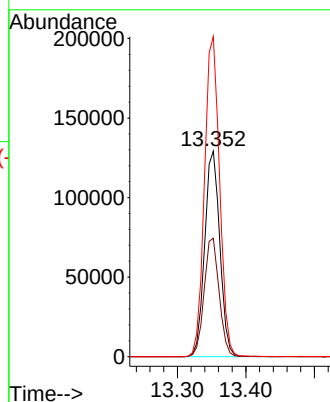
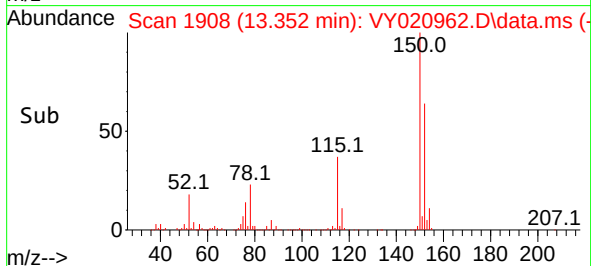


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1909
 Delta R.T. -0.006 min
 Lab File: VY020962.D
 Acq: 29 Jan 2025 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :

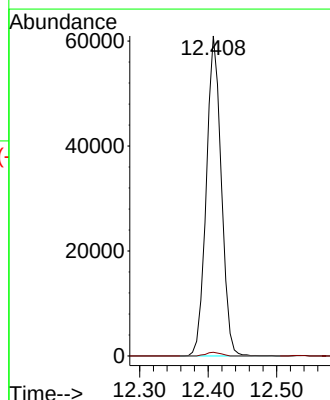
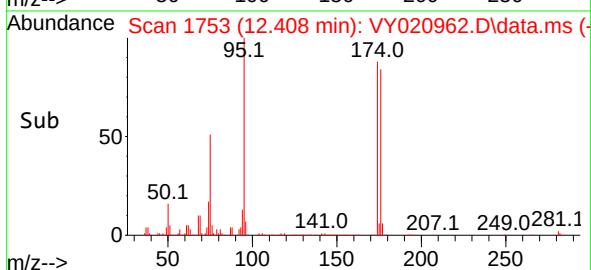
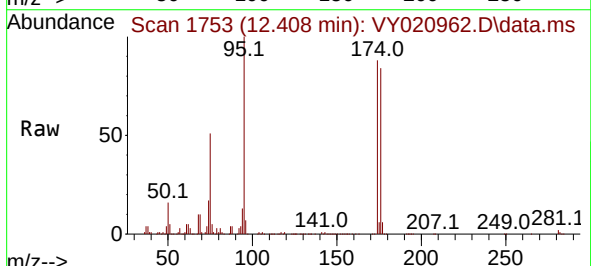


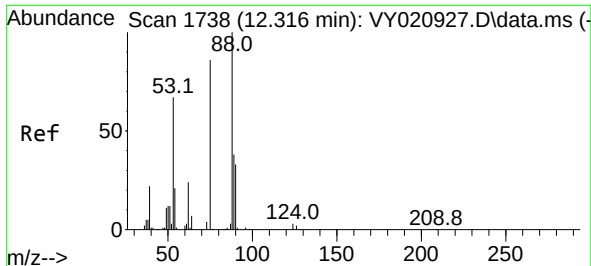
Tgt Ion:152 Resp: 198870
 Ion Ratio Lower Upper
 152 100
 115 57.2 29.0 87.0
 150 155.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 65.956 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.158 min
 Lab File: VY020962.D
 Acq: 29 Jan 2025 11:48

Tgt Ion: 75 Resp: 92740
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

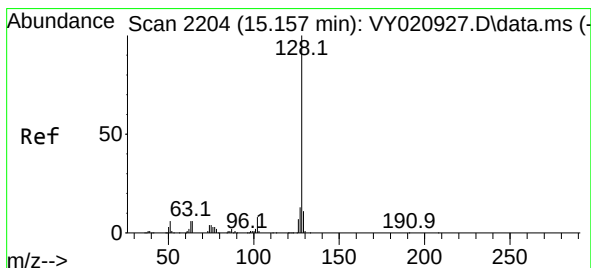
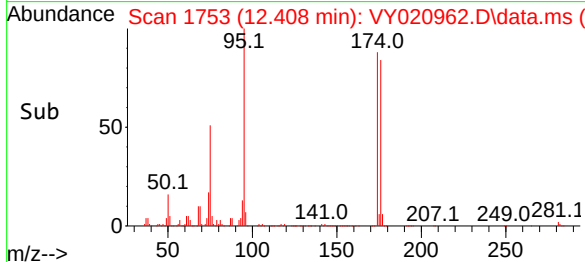
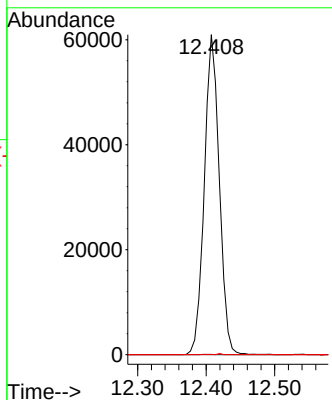
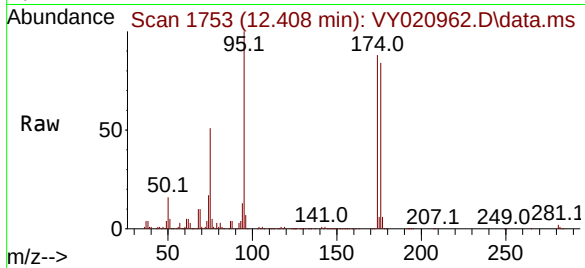




#81
trans-1,4-Dichloro-2-butene
Concen: 127.427 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.092 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 92740
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.1 38.4 57.6#



#95
Naphthalene
Concen: 43.922 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: VY020962.D
Acq: 29 Jan 2025 11:48

Tgt Ion:128 Resp: 225687
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.8 13.2

